ABSTRACT OF THE DISCLOSURE

A ride control system for insuring safe operation of articulated vehicles by monitoring, detecting and suppressing erratic jackknifing, comprises a mechanism for monitoring among several inputs the driver's intentions, road conditions, the vehicle behavior, a microprocessor, and a means for commanding an anti-lock brake system to apply brakes on selected trailer wheels to suppress erratic jackknifing and restore vehicle stability. The microprocessor is used primarily for computing the probability of trailer and tractor roll-over due in part to erratic jackknifing when the vehicle is expected to move straight ahead. The probability of roll-over is converted to a time varying voltage signal for use by an electronic control module to proportionally apply brakes to those wheels whose angular velocity is greater than the average in order to drag the trailer on the side until erratic jackknifing is suppressed.